

- Extracellular hemoglobin, 498
 Eye, 179
- Fanconi, 453
 Fatty acid, 95, 168
 Fatty acids, 196, 323, 437
 Fatty liver, 437
 Female reproductive tract, 61
 Fertilization, 159
 Fillet quality, 488
 Fish, 121, 400, 461, 472
 Fish muscle protease, 231
 Flesh, 168
 Fur seal, 111
- G protein-coupled receptor, 274
 Galectin-1, 23
 GDF11, 218
 Gene cloning, 49
 Gene expression, 95, 488
 Gene fusion, 445
 Genetic disease, 453
 Gibbon, 428
 Gills, 121
Glossoscolex paulistus, 498
 Glucokinase, 129
 Glucose, 323
 Glucose transport, 43
 Glucose transporter, 43
 β -glucosidase, 418
 Glutathione, 267
 Glutathione conjugation, 340
 Glutathione peroxidase, 382
 Glutathione S-transferase, 340
 Glycolysis, 347
 Glycosaminoglycans, 480
 Glycosyl hydrolase family 1, 418
 Glyoxylate cycle, 445
 Goldfish, 253
 Gonadal condition, 13
 Gonadotropin-releasing hormone receptor, 274
 Grass carp, 95, 356
 Group IB, 121
 GTP, 400
 Gut enzymes, 261
- Hake, 13
Halichoeres tenuispinis, 49
Halichondria japonica, 331
 Heart, 267
 α -Helix, 461
 Hemoglobin oxidation, 498
 Hepatocyte plasma membrane, 437
 Hexokinase IV, 129
Hirundo rustica, 147
 Histology, 472
 Hydrogen peroxide, 428
 Hydrolase, 373
- Hydrothermal vent, 196
 Hyperglycemia, 323
- Immune response, 356
 Immunoreactive protein, 129
In situ hybridization, 253
 Insect cells, 418
 Insulin, 43
 Intestine, 77, 366
 Inverted order, 445
 Isocitrate lyase, 445
 I-Z-I fraction, 13
- Japanese eel *Anguilla japonica*, 103
 Japanese monkey, 428
- Kinetics, 382
- Lacanobia oleracea*, 373
 Lactation, 111
 Lens, 179
 Lipid, 168
 Lipid composition, 77
 Lipid hydroperoxides, 323
 Lipid metabolism, 77
 Lipids, 13, 196, 437
 Liver, 168, 267
 Lobster shell colour, 307
 Lutein, 244
 Lysozyme, 23
- Magnesium, 289
 Malate synthase, 445
 Marine fish, 231
 Masu salmon, 211
 Mechanism, 382
 Medaka, 391
 Membranes, 323
 Metabolic suppression, 347
 Metabolism, 237, 267
 MF-CPA, 314
Microcystis, 33
 Microsomes, 77
 Microtubule, 159
 Milk composition, 111
 Milkfish, 95
 Mississippiensis, 281, 289
 Mitochondrial localization, 445
Moina, 33
 Monoacylglycerol pathway, 77
 Motoneuron, 253
 Mucosa, 366
 Mu-crystallin, 331
Munidopsis, 196
 Muscle, 3, 147, 267, 472
 Muscle growth, 488
 Myofibril bound serine protease (MBSP), 231
- Myoglobin, 267
 Myostatin, 218
- NADPH-oxidase, 23
 Neurotoxicity, 408
 Non-human primates, 428
 Nonspecific defense mechanism, 103
 Non-tryptophan fluorescence, 179
 Northern blot analysis, 428
 Nucleotide sequence, 3
- Oocyte development, 186
 Oocyte growth, 211
 Oocyte maturation, 159
 Opine dehydrogenase, 331
 Orangutan, 428
 Organic matrix, 480
 Ornithine cyclodeaminase, 331
 OTX, 391
 Overexpression, 340
 Oviduct, 61
 Oxidative burst-degranulation, 23
 Oxygen affinity, 400
 Oxygen depletion, 347
- Partial cDNA, 129
 Partial purification, 121
Passer domesticus, 147
 PCR, 3
 Penaeid shrimp, 186
Periplaneta americana, 261
 Pharmaceuticals, 408
 Phosphatase inhibitors, 373
 Phosphate binding, 400
 Phospholipid, 147
 Phospholipids, 437
 Pig, 179
Pimpla hypochondriaca, 373
 Plant proteinase inhibitors, 261
 Plasma glucose, 43
Polyandrocarpa, 274
 Porcine neutrophils, 23
 Precocial, 147
 Pressure-induced dissociation, 498
 Primary structure, 461
 ProapoA-I, 89
 Prooxidants, 366
 Propeptide, 89
 Pro-phospholipase A₂ activating protease, 121
 Protease inhibitory metabolites, 33
 Protein sequence, 111
 Proteinases, 261
 Proteins, 480
- QM gene, 356
 Quantification, 186, 211

Subject Index

- RACE, 3, 49
- Radiosensitivity, 453
- Rainbow trout, 488
- Reactive oxygen species, 428
- Rebers-Riddiford, 294
- Red fibres, 472
- Redox potential titration, 498
- Ret 1, 391
- Retinoic acid, 274
- Retrograde tracer, 253
- Riftia*, 196
- RNAi, 453
- Rod opsin, 391
- Secretory phospholipase A₂, 121
- Selenium, 382
- Selenium-containing glutathione transferase, 382
- Selenium-containing glutathione transferase from *Lucilia cuprina*, 382
- Selenocysteine, 382
- Sequencing, 340
- Serum, 281, 289
- Serum amyloid A (SAA) protein, 89
- Silkworm, 340, 418
- Skeletal muscle, 43, 461
- Skin extract of the eel, 103
- Spinal cord, 253
- Spindlin (Spin), 159
- Sponge, 331
- Squid, 3
- Steroid hormone receptors, 61
- Sterols, 196
- Supramolecular structures, 179
- Survival, 453
- Symphysodon aequifasciatus*, 347
- Tauropine dehydrogenase, 331
- TGF- β , 218
- Thermal stability, 461
- Tissue distribution, 356
- Toxicogenomics, 408
- Trachemys scripta*, 61
- Transcripts, 186
- Transdifferentiation, 274
- Tropomyosin, 3, 461
- Tropomyosin-like, 3
- Trypsin, 33
- Trypsin-like protease, 121
- Tryptophan fluorescence, 179
- β -tubulin, 159
- Turtle, 61
- 3' untranslated regions, 186
- Venom, 373
- Vitamin A, 244
- Vitamin E, 366
- Vitellogenin, 211
- Whey, 111
- White croaker, 231
- White fibres, 472
- Wilms' tumor suppressor, 356
- Zeaxanthin, 244
- Zebrafish, 71, 218, 391, 408

AUTHOR INDEX

Vol. 141B, Nos. 1-4

- Agrawal, M.K., 33
Akiba, Y., 43
Allemand, D., 480
Almeida-Val, V.M.F., 347
Aranishi, F., 231
Arnould, J.P.Y., 111
Aso, Y., 340
Auvergne, A., 437
- Babilé, R., 437
Bagchi, D., 33
Bagchi, S.N., 33
Banno, Y., 340
Berradi, H., 129
Biga, P.R., 218
Bispo, J.A.C., 498
Blakely, J.A., 267
Bonafe, C.F.S., 498
Bouillier-Oudot, M., 437
Borum, A.L., 323
Byeon, G.M., 418
- Campbell, P.J., 168
Cane, K.N., 111
Carreau, M., 453
Cary, S.C., 196
Cassy, S., 129
Castagnola, M., 400
Charrier, G., 472
Chhabda, P.J., 261
Chiba, A., 103
Chiesa, M.E., 23
Chippari-Gomes, A.R., 347
Choi, J.Y., 49
Chougule, N.P., 261
Clemens, J.W., 61
Collodi, P., 218
Coluccia, E., 400
Coyne, K.J., 196
Crupkin, M., 13
- Daimon, T., 314
Dani, M.P., 373
De Coen, W., 408
De Wit, M., 408
Degnan, B.M., 307
Dequen, F., 453
Desnoyers, S., 453
- Ebihara, T., 3
Edwards, J.P., 373
- Elola, M.T., 23
Else, R.M., 281, 289
Endo, N., 331
Esaka, M., 253
- Fink, N.E., 23
Fujii, H., 340
Fujikawa, Y., 253
Fujita, T., 211
Fujiwara, S., 274
Fukada, H., 211
Fukuhara, R., 428
- Gagnon, S.N., 453
Garcia-Barreno, P., 179
Giardina, B., 400
Giri, A.P., 261
Gobin, E., 472
Goetz, F.W., 218
Gomes, L.C., 347
Goulter, K.C., 307
Groce, A.K., 196
Gui, J.-F., 159
Gui, Z.Z., 418
Guisasola, M.C., 179
- Hall, M.R., 307
Hanato, S., 445
Hara, A., 211
Hara, K., 231
Hart, J.D., 323
Hattori, S., 3
Hiramatsu, N., 211
Hivrale, V.K., 261
Hsieh, S.L., 95
Huang, M.-C., 461
- Iijima, N., 121, 253
Ikenaga, T., 253
Iliev, D.B., 218
Inui, H., 445
Irie, S., 3
Isemura, S., 103
Ishihara, T., 231
Isobe, N., 3
Izem, L., 472
- Jeong, H.B., 49
Jikihara, S., 331
Jin, B.R., 418
- Kachole, M.S., 261
Kageyama, T., 428
Kang, P.D., 418
Kan-no, N., 331
Karadas, F., 244, 366
Kasagi, S., 391
Kashige, N., 340
Kawamura, K., 274
Kawamura, S., 391
Kawasaki, H., 314
Keil, D., 408
Kennedy, S.R., 168
Kenney, P.B., 488
Killefer, J., 488
Kim, I., 418
Kim, S.J., 49
Kobayashi, M., 314
Kobayashi, Y., 274
Kono, S., 253
Koyama, Y.-i., 3
Kozono, K., 253
Kumamoto, S., 445
Kuo, C.-M., 95
- Landini, G.F., 498
Lee, K.S., 418
Lee, S.M., 418
Lee, Y.D., 49
Leithart, M.E., 323
Leroy, J.P., 472
Li, H., 237
Liang, K., 71
Lin, Y., 71
Liu, J., 382
Liu, X., 382
Liu, Z., 237
Lopes, N.P., 347
Luo, G., 382
- Manconi, B., 400
Masia, D., 400
Messana, I., 400
Matsubara, Y., 3
Matsumoto, Y., 391
Matsu-ura, H., 331
McCauley, L.A.R., 218
McDevitt, R.M., 366
McLean, J.A., 366
Mei, J., 159
Merchant, M.E., 281, 289

Author Index

- Miake, F., 340
- Miller Jr., R.R., 323
- Minami, T., 445
- Mita, K., 314
- Miura-Yokota, Y., 3
- Miyatake, K., 445
- Moens, L., 408
- Molee, W., 437
- Moon, J.S., 218
- Moon, S.-J., 253
- Moriyama, S., 331
- Nagahisa, E., 331
- Nagamatsu, Y., 253
- Nakano, Y., 445
- Nakazawa, M., 445
- Nath, J., 488
- Naudts, B., 408
- Nelson, M.M., 196
- Nicholas, K.R., 111
- Nichols, P.D., 196
- Nishihara, T., 253
- Norberto, D.R., 498
- Ochiai, Y., 461
- Odani, S., 103
- Ogawa-Goto, K., 3
- Ohashi, M., 274
- Ohkubo, M., 231
- Oka, S., 103
- Olianas, A., 400
- Olsen, R.E., 77
- Osatomi, K., 231
- Ote, M., 314
- Oxley, A., 77
- Pagano, M.R., 13
- Palmer, B.D., 61
- Pan, X.-X., 356
- Pappas, A.C., 244
- Paredi, M.E., 13
- Park, J.G., 49
- Pellegrini, M., 400
- Pereira-Mouriès, L., 480
- Phleger, C.F., 196
- Porter, A., 168
- Puppione, D.L., 89
- Puverel, S., 480
- Qiu, G.-F., 186
- Raffin, J.P., 472
- Remme, J.F., 140
- Rexroad, C.E., 488
- Richards, E.H., 373
- Rideau, N., 129
- Roberts, S.B., 218
- Roche, C.M., 281
- Rustan, A.C., 77
- Saitoh, E., 103
- Salem, M., 488
- Sanna, M.T., 400
- Santos, J.L.R., 498
- Sato, K., 43
- Sato, M., 331
- Schumaker, V.N., 89
- Selcer, K.W., 61
- Semmens, K., 488
- Shafer, T.H., 294
- Shao, J.-Z., 356
- Shen, J., 382
- Shimada, T., 314
- Shimizu, M., 211
- Smith, S., 61
- Sohn, H.D., 418
- Speake, B.K., 147, 244, 366
- Stewart, J.M., 267
- St-Laurent, J.-F., 453
- Stoknes, I.S., 140
- Suarez, A., 179
- Sun, M., 159
- Surai, P.F., 244, 366
- Synnes, M., 140
- Takahashi, K., 43
- Takemura, A., 49
- Takenaka, S., 445
- Takeshita, K., 391
- Tambutté, E., 480
- Tambutté, S., 480
- Taouis, M., 129
- Teramura, K., 445
- Thébault, M.T., 472
- Thibodeaux, D., 281
- Tocher, D.R., 168
- Tokushima, Y., 43
- Torstensen, B.E., 77
- Tsujimura, T., 391
- Uchiyama, S., 121
- Ueda, M., 445
- Uematsu, K., 253
- Val, A.L., 347
- Van der Ven, K., 408
- Van Leemput, K., 408
- Verret, B., 289
- Wade, N., 307
- Wang, L., 237
- Wang, X.-L., 159
- Wang, Y., 237
- Wen, Y., 356
- Whitelegge, J.P., 89
- Wilson, K.J., 307
- Wood, N.A.R., 147
- Woods, A.K., 267
- Wynn, A., 294
- Xiang, L.-X., 356
- Yam, L.M., 89
- Yamamoto, K., 340
- Yamamoto, T., 331
- Yamano, K., 186
- Yang, H., 71
- Yao, J., 488
- Yoshida, M., 253
- Yu, H., 382
- Yubisui, T., 274
- Zang, T., 382
- Zhang, H., 71
- Zhang, P., 340
- Zhang, S., 237
- Zhang, X., 71
- Zoccola, D., 480

